

CLAIMS

- 5 1. A device for deterring birds from overhead cables such as power lines, which device includes:
- a clamping means for clamping the device on the overhead cable, the clamping means including
 - a first member having a hook portion for hooking over the
 - 10 power line; and
 - a second member biased towards the hook portion, wherein said biased member includes a biasing means; and
 - at least one vane set rotatably attached to the clamping means wherein the first and second members are displaceable relative to each other
 - 15 between a first loaded position, wherein the biasing means is loaded, and a second clamped position, wherein the biasing means is at least partially unloaded thereby clamping the power line between the first member and the second member.
- 20 2. A device as claimed in claim 1, wherein the vane set is fluorescent thereby to increase the visibility of the vanes to the birds.
3. A device as claimed in any one of claim 1 to 2, wherein the vanes of the vane set are alternately coloured with a first colour and a
- 25 second colour thereby to be visible to the birds both by day and by night
4. A device as claimed in any one of claim 1 to 3, wherein the vane set is reflective.
- 30 5 A device as claimed in any one of claim 1 to 4, wherein the vanes are configured to rotate in response to the wind.
6. A device as claimed in any one of claim 1 to 5, wherein the vanes are configured to rotate in response to vibrations from the power line.

7. A device as claimed in any one of claim 1 to 6, wherein the vanes are rotatably attached to the clamping means by a suspension means.
8. A device as claimed in claim 7, wherein the suspension means
5 is in the form of a rod.
9. A device as claimed in claim 7, wherein the suspension means is in the form of a flexible rod which is rotatably attached at one end region to the clamping means and at its other end region to the vane set.
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10. A device as claimed in any one of claims 1 to 7, wherein the biasing means includes a spring.
11. A device as claimed in any one of claims 1 to 7 and 10, wherein
15 the second member includes a securing means configured to keep the second member in the first position ready for clamping onto the overhead cables
12. A device as claimed in any one of claims 1 to 7 and 10 to 11, wherein the second member includes a securing means configured to keep
20 the second member in the second clamped position.
13. A device as claimed in any one of claims 1 to 7 and 10 to 12, wherein the first member is substantially C-shaped.
- 25 14. A device as claimed in claim 13, wherein the lower section of the C-shape is configured to house the second member in the first position when loaded.
15. A device as claimed in claim 13, wherein the upper section of
30 the C-shape is the hook portion for hooking over the overhead cable.
16. A device as claimed in any one of claims 11 to 13, wherein the first member includes a slot for receiving the securing means of the second member.

17. A device as claimed in any one of claims 11 to 12 and 16, wherein the securing means is configured to be released by remote activation.
18. A device as claimed in any one of claims 1 to 7, 10 to 13 and 16,
5 wherein the first member includes a ratchet configured to assist in keeping the second member in the second clamped position.
19. A clamping means for clamping objects to overhead cables such as power lines, said clamping means including;
- 10 -a first member having a hook portion for hooking over the overhead cable;
- a second member biased towards the hook portion; and
- biasing means for biasing the second member towards the hook portion; , and
- 15 - wherein the first and second members are displaceable relative to each other between a first loaded position, wherein the biasing means is loaded, and a second clamped position, wherein the biasing means is at least partially unloaded thereby clamping the power line between the first member and the second member.
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20. A clamping means as claimed in claim 19, wherein the biasing means of the second member includes a spring.
21. A clamping means as claimed in any one of claims 19 to 20,
25 wherein the second member includes a securing means configured to keep the second member in either the first or second position.
22. A clamping means as claimed in any one of claims 19 to 21, wherein the first member is substantially C-shaped.
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23. A clamping means as claimed in claim 22, wherein the lower section of the C-shape is configured to house the second member in the first position when loaded.

24. A clamping means as claimed in claim 22, wherein the upper section of the C-shape is the hook portion for hooking over the cable.
25. A clamping means as claimed in any one of claims 19 to 22,
5 wherein the first member includes a slot for receiving the securing means of the second member.
- 26 A clamping means as claimed in claim 21, wherein the securing means is configured to be released from the first position by remote activation.
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27. A clamping means as claimed in any one of claims 19 to 26, wherein the first member includes a ratchet configured to assist in keeping the second member in the second position.
- 15 28. A device for deterring birds from overhead cables such as power lines, which device includes at least one vane set.
29. A device as claimed in claim 28, wherein the vane set is fluorescent thereby to increase the visibility of the vanes to the birds.
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30. A device as claimed in any one of claims 28 to 29, wherein the vanes of the vane set are alternatingly coloured with a first colour and a second colour thereby to be visible to the birds both by day and by night
- 25 31. A device as claimed in any one of claims 28 to 30, wherein the vane set is reflective.
32. A device as claimed in any one of claims 28 to 31, wherein the vanes are configured to rotate in response to the wind.
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34. A device as claimed in any one of claims 29 to 33, wherein the vanes are configured to rotate in response to vibrations from the power line.

35. A device as claimed in any one of claims 29 to 34, wherein the vanes are rotatably attached to a clamping means by a suspension means.

36. A method of deploying a clamping means including;

- 5 -a first member having a hook portion for hooking on to the cable;
 -a second member biased towards the hook portion; and
 -biasing means for biasing the second member toward the hook portion
wherein the first and second members are displaceable relative to each other
between a first loaded position, wherein the biasing means is loaded, and a
10 second clamped position, wherein the biasing means is at least partially
unloaded thereby clamping the power line between the first member and the
second member, said method including;
 -hooking the clamping means onto the cable; and
 -actuating the displacement of the first and second members
15 relative to each other.

37. A method as claimed in claim 36, wherein the biasing means of the second member includes a spring.

20 38. A method as claimed in any one of claims 36 to 37, wherein the second member includes a securing means configured to keep the second member in either the first or second position, which securing member is released thereby actuating the relative displacement of the first and second members.

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39. A method as claimed in any one of claims 36 to 37, wherein the actuation of the displacement of the first and second members relative to each other is by remote control.

30 40. A new device for deterring birds substantially as herein described and illustrated.

41. A device as claimed in claim 1, substantially as herein described and illustrated.

42. A new clamping means for clamping objects to cables, substantially as herein described and illustrated.

43. A new clamping means as claimed in claim 19, substantially as
5 herein described and illustrated.

44. A new device for deterring birds from overhead cables that includes at least one vane set, substantially as herein described and illustrated.
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45. A device for deterring birds from overhead cables as claimed in claim 28, substantially as herein described and illustrated.

46. A new method of deploying a clamping means, substantially as
15 herein described and illustrated.

47. A method of deploying a clamping means as claimed in claim 36, substantially as herein described and illustrated.

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